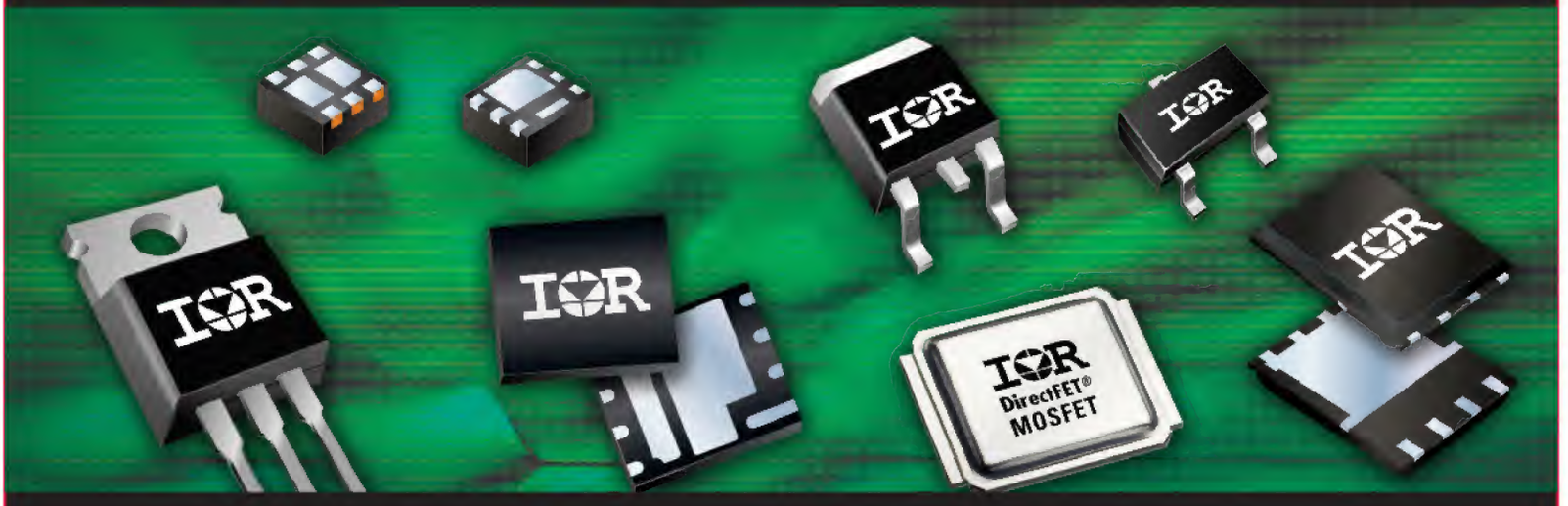
Benchmark MOSFETs Product Selection Guide



For a complete list of IR MOSFETs go to www.irf.com/product-info/hexfet

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Small PowIR MOSFETs

Voltage (V)	I_D (A) T_C= 25°C	$R_{DS(on)}$ max @ 10V_{GS} (mΩ)	Qg Typ @ 10V_{GS} (nC)	PQFN 2x2	PQFN 3.3x3.3	SOT-23	TSOP-6	SO-8
-30	-20	4.6	58					IRF9310
	-16	6.6	31					IRF9317
	-15	7.2	34					IRF9321
	-12	11.9	18					IRF9328
	-12	11.9	18					IRF9388
	-9.8	17.5	14					IRF9332
	-9.8	17.5	14					IRF9392
	-9.2	19.4	14					IRF9393
	-9.2	19.4	14					IRF9333
	-6	37	6.9	IRFHS9301				
	-5.8	40	12				IRFTS9342	
	-5.4	59	4.7					IRF9335
	-3.6	64	4.8			IRLML9301		
	-2.3	165	2			IRLML9303		
-20	-7.2	31††	12	IRLHS2242				
	-6.9	-32††	12				IRLTS2242	
	-4.3	54††	6.9			IRLML2244		
	-2.6	135††	2.9			IRLML2246		
20	4.1	46††	3.5			IRLML6246		
	6.3	21††	8.9			IRLML6244		
	10	11.7††	14	IRLHS6242				
	20	4.4	22					IRF3717
	27	2.45††	130					IRF6201
	40	2.5	52		IRLHM620			
25	5.8	24	5.4			IRFML8244		
	9.9	13	4.3	IRFHS8242				
	25	2.7	35					IRF8252
	25	7.7	7.7		IRFHM8235			
30	2.7	100	1			IRLML2030		
	3.4	63††	2.9			IRLML6346		
	5	29††	6.8			IRLML6344		
	5.3	27	2.6			IRLML0030		
	8.2	19	4.8				IRFTS8342	
	8.3	17.5††	11				IRLTS6342	
	8.7	15.5††	11	IRLHS6342				
	9.9	14.6††	11					IRL6342
	11	11.9	6.2					IRF8707
	14	8.7	8.1					IRF8714
	14	8.5	8.3					IRF8721
	18	4.8	17					IRF8736
	19*	16	4.2	IRFHS8342				
	21	3.3	30					IRF7862
	21	3.5	20					IRF8734
	24	2.8	44					IRF8788
	24	4.7	20		IRFHM8326			
	24	6.6	3.3		IRFHM8330			
	24	7.8	7.3		IRFHM831			
	24	9	7.1		IRFHM8334			
	25	5.2	9.0		IRFHM8228			
	40	3.5	41		IRLHM630			
40	3.6	56	2.6			IRLML0040		
	18	5	33					IRF7842
60	1.2	480	0.67			IRLML2060		
	2.7	92	2.5			IRLML0060		
	12	9.4	26					IRF7855
80	9.2	15	31					IRF7493
	10	13.4	27					IRF7854
100	1.6	220	2.5			IRLML0100		
	7.3	22	34					IRF7495
	8.3	18	28					IRF7853
	11	115	-		IRFHM3911			
150	5.1	43	25					IRF7815
200	3.7	78	29					IRF7820

* I_D measured at T_C=25°C †† $R_{DS(on)}$ measured at V_{GS} = 4.5V

Dual MOSFETs and Power Block

Voltage (V)	I_D (A) T_C= 25°C	$R_{DS(on)}$ max @ 10V_{GS} (mΩ)	Configuration	PQFN		SO-8
				Part Number	Footprint	
-30	-9.2	-9.2	Independent Symmetric			IRF9358
	-8	-8	Independent Symmetric			IRF9362
	-2.3	-2.3	Independent Symmetric	IRFHS9351	2 x 2	
20	4.5	4.5	Independent Symmetric	IRLHS6276	2 x 2	
25	25	1.5†	Dual Asymmetric	IRFH4255D	5 x 6	
	35	1.1†	Dual Asymmetric	IRFH4253D	5 x 6	
	45	0.85†	Dual Asymmetric	IRFH4251D	5 x 6	
	60	1.8†	Dual Asymmetric	IRFHE4250D	6 x 6	
	30/phase	0.90†	Dual Asymmetric	IRF3546	6 x 8	

† $R_{DS(on)}$ for synchronous MOSFET only

Dual MOSFETs and Power Block, continued


Voltage (V)	I_D (A) T_C = 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Configuration	PQFN		SO-8
				Part Number	Footprint	
25	25	1.8	Dual Asymmetric	IRFH4257D	4 x 5	
30	3.6	3.6	Independent Symmetric	IRLHS6376	2 x 2	
	7.6	7.6	Half-bridge Asymmetric			IRF7904
	8	8	Half-bridge Asymmetric			IRF8513
	8.1	8.1	Independent Symmetric			IRL6372
	8.9	8.9	Independent Asymmetric			IRF7905
	9.1	9.1	Independent Asymmetric			IRF7907
	9.7	9.7	Independent Symmetric			IRF8313
	11	11	Independent Symmetric	IRFHM8363	3.3 x 3.3 E	
	13	3	Half-bridge Asymmetric	IRFH7911	5 x 6 C	
50	3	3	Independent Symmetric			IRF7103U
60	8	8	Independent Symmetric			IRF7351
100	2.3	2.3	Independent Symmetric	IRFHM792	3.3 x 3.3 E	

† $R_{DS(on)}$ for synchronous MOSFET only

Power SMD MOSFETs





Voltage (V)	I_D (A) T_C = 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	DirectFET		PQFN		D-Pak	D²Pak	D²Pak-7-Lead
				Part Number	Footprint	Part Number	Footprint			
-30	-22*	2.9	130	IRF9383M	MX					
	-24	14.6	16			IRFHM9331	3 x 3			
	-40	4.6	58			IRFH9310	5 x 6 A			
20	32*	1.8	47	IRF6691	MT					
	36	16	4.8						IRL3714ZS	
	37	15	4.7					IRLR3714Z		
	49	11	7.2					IRLR3715Z		
	50	11	7						IRL3715ZS	
	58	3.8		IRL6297SD	SA					
	60	8.4	9.3					IRFR3704Z		
	67	7.9	8.7						IRF3704ZS	
	92	6	16						IRF3711ZS	
	93	5.7	18					IRFR3711Z		
	120	4.2	21					IRLR3717		
	211	0.9		IRL6283M	MD					
24	340	1.65	160						IRF1324S	
	429	1	180							IRF1324S-7P
25	16*	5.2	7.4	IRF6810S	S1					
	40	4.4	7.7			IRFHM4234	3.3 x3.3			
	40	3.3	10			IRFHM4231	3.3 x3.3			
	40	2.2	17			IRFHM4226	3.3 x3.3			
	51	6	7			IRFH5255	5 x 6 B			
	60	4.5	8.2			IRFH4234	5 x 6 B			
	60	3.5	10			IRFH4231	5 x 6 B			
	74	3.7	11	IRF6811S	SQ					
	100	0.95				IRFH8201	5 x 6			
	100	1.05				IRFH8202	5 x 6			
	100	1.4	39			IRFH5250D	5 x 6 B			
	100	1.15	52			IRFH5250	5 x 6 B			
	100	1.35	26			IRFH4213D	5 x 6 B			
	100	1.35	26			IRFH4213	5 x 6 B			
	100	1.1	36			IRFH4210D	5 x 6 B			
	100	1.1	36			IRFH4210	5 x 6 B			
	100	0.95	46			IRFH4201	5 x 6 B			
	125	1.7	17	IRF6892S	3C					
	160	1.3	26	IRF6894M	MX					
	168	1.6	25	IRF6893M	MX					
	213	1.1	35	IRF6898M	MX					
30	29	12.4	5.4			IRFH3707	3 x 3			
	35	12.8	4.7			IRFH8337	5 x 6 E			
	35	8	7.9	IRF6720S2	S1					
	36	8.9	6.6	IRF6708S2	S1					
	40	4.3	13			IRFHM830D	3.3 x 3.3			
	40	3.8	31			IRFHM830	3.3 x 3.3			
	42	7.1	9.6			IRFH3702	3 x 3			
	43	13.8	7					IRLR7807Z		
	44	9	7.1			IRFH8334	5 x 6 E			
	45	8.1	7.8			IRFH5306	5 x 6 B			
	47	7.8	7.3			IRFHM831	3.3 x 3.3			
	56	7.7	11	IRF6722M	MP					
	56	6.6	9.3			IRFH8330	5 x 6 E			
	57	6.1	26			IRFHM8329	3.3 x 3.3			
	58	7.7	11	IRF6722S	ST					
	58	8.9	10					IRLR8729		
	59	9.5	9.7						IRF3707ZS	
	60	7.3	9.2	IRF8327S	SQ					
	65	8.4	8.5					IRLR8721		
	79	4.5	16			IRFH5304	5 x 6 B			
	82	5	15			IRFH8325	5 x 6 E			
	82	4.2	15			IRFH5303	5 x 6 B			

Power SMD MOSFETs, continued

Voltage (V)	I_D (A) T_C = 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	DirectFET		PQFN		D-Pak	D²Pak	D²Pak-7-Lead
				Part Number	Footprint	Part Number	Footprint			
30	83	4.9	19.4			IRFH8321	5 x 6 E			
	86	5.8	15					IRLR8726		
	87	6.3	17						IRF3709ZS	
	90	4.1	14			IRFH8324	5 x 6 E			
	94	6	22					IRLR8113		
	100	1.1				IRFH8303	5 x 6			
	100	1.3				IRFH8307	5 x 6			
	100	1.3	50			IRFH8307	5 x 6 B			
	100	1.4	50			IRFH5300	5 x 6 B			
	100	1.85	37			IRFH5301	5 x 6 B			
	100	2.1	29			IRFH5302	5 x 6 B			
	100	2.5	26			IRFH5302D	5 x 6 B			
	105	6	23						IRL8113S	
	120	2.95	30			IRFH8316	5 x 6 E			
	120	3.1	41			IRFH8318	5 x 6 E			
	140	2.5	25	IRF8306M	MX					
	150	3.8	32						IRL7833S	
	150	2.5	28	IRF8308M	MX					
	160	3.1	39					IRLR8743		
	169	2.1	30			IRFH8311	5 x 6 E			
	170	2.2	28	IRF8304M	MX					
	180	1.7	51	IRF6726M	MT					
	180	1.7	49	IRF6727M	MX					
	190	1.8	35	IRF8302M	MX					
	260	2.4	160						IRF2903ZS	
40	12.7*	8.3	19	IRF6614	ST					
	19*	5	29	IRF6616	MX					
	23*	3.4	42	IRF6613	MT					
	77	9	30					IRFR3504Z		
	85	2.4				IRFH7440	5 x 6			
	85	3.3				IRFH7446	5 x 6			
	90	1.4		IRF7946	MX					
	90	2.5						IRFR7440		
	100	1.25				IRFH7084	5 x 6			
	100	1.4				IRFH7004	5 x 6			
	100	4.3	42			IRFH5204	5 x 6 B			
	100	3.5	53			IRFH5104	5 x 6 B			
	100	2.6	73			IRFH5004	5 x 6 B			
	117	3.3	65			IRFH7446	5 x 6 E			
	119	5.5	59					IRFR4104		
	120	5.5	68						IRF4104S	
	156	1.9	99	IRF7737L2	L6					
	159	2.4	92			IRFH7440	5 x 6 E			
	184	1.6	129	IRF7738L2	L6					
	190	3.7	100						IRF1404ZS	
	195	1.5								IRFS7437TRL-7P
	195	1.8							IRFS7437	
	198	1.4	141	IRF7948	MX					
	208	2.5	90						IRFS7440	
	217	1.2	123	IRF7480M	ME					
	250	1.8	150						IRFS7437	
	259	1.4	129			IRFH7004	5 x 6 B			
	270	1	220	IRF7739L2	L8					
	280	2.3	160						IRF2804S	
	320	1.6	170							IRF2804S-7P
	340	1.75	160						IRFS3004	
	400	1.25	160							IRFS3004-7P
55	30	24.5	18					IRFR4105Z		
	51	13.9	29						IRFZ44ZS	
	61	11	43						IRFZ48ZS	
	62	11	40					IRFR48Z		
	94	7.5	63						IRF1010ZS	
	110	6.5	76						IRF3205ZS	
	240	2.6	130							IRF3805L-7P
60	40	14.4	23			IRFH5406	5 x 6 B			
	67	11	24	IRF6674	MZ					
	86	7	36	IRF6648	MN					
	89	6.7	40			IRFH5206	5 x 6 B			
	90	4.8						IRFR7540		
	90	7.9						IRFR7546		
	100	~3.6				IRFH7085	5 x 6			
	100	4.1	67			IRFH5006	5 x 6 B			
	100	5.6	50			IRFH5106	5 x 6 B			
	110	5.1							IRFS7540	
	150	3.6		IRF7580	MX					
	160	4.2	85						IRFS3306	
	195	2.0	274						IRFS7530	
	195	2.4							IRFS7534	
	195	3.3							IRFS7537	
	200	1.5	200	IRF7749L2	L8					
	210	3	120						IRFS3206	

Power SMD MOSFETs, continued

Voltage (V)	I_D (A) T_C= 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	DirectFET		PQFN		D-Pak	D²Pak	D²Pak-7-Lead
				Part Number	Footprint	Part Number	Footprint			
60	240	1.4								IRFS7530-7P
	240	1.9								IRFS7534-7P
	270	2.5	200						IRFS3006	
	293	2.1	200							IRFS3006-7P
75	45	22	34					IRFR2607Z		
	53	16	50					IRFR2307Z		
	59	11.2				IRFR7746	5 x 6			
	64	8.0						IRFH7787		
	68	8.0	75			IRFH7787	5 x 6			
	71	9.6	39			IRFH5207	5 x 6 B			
	75	8.5	48			IRFH7107	5 x 6 E			
	83	8.4							IRFS7787	
	89	6.8	84					IRFR7740		
	100	5.9	65			IRFH5007	5 x 6 B			
	104	6.3							IRFS7762	
	120	5.8	79						IRFS3307Z	
	160	2.3	200	IRF7759L2	L8					
	160	3.8	170							IRF2907ZS-7P
	170	4.1	120						IRFS3207Z	
	193	3.5							IRFS7734	
	195	2.6							IRFS7730	
	195	3.0								IRFS7734-7P
	230	3	160						IRFS3107	
	260	2.6	160							IRFS3107-7P
	240	2.0								IRFS7730-7P
	260	2.6	160							IRFS3107-7P
80	12*	9.5	36	IRF6646	MN					
	55	15	22	IRF6668	MZ					
100	4.2*	62	8.7	IRF6655	SH					
	4.2*	62	8.7	IRF6665	SH					
	5.7*	35	14	IRF6645	SJ					
	8.3*	22	22	IRF6662	MZ					
	8.7	190	6.9					IRFR120Z		
	10.3*	13	35	IRF6644	MN					
	14.4	62	8.3	IRF7665S2	SB					
	35	17	10			IRFH7194	5 x 6			
	36	26.5	42						IRF540ZS	
	46	18	24			IRFH5053	5 x 6 A			
	55	14.9	39			IRFH5210	5 x 6 B			
	56	18	69					IRFR3710Z		
	58	13.5	58			IRFH7110	5 x 6 E			
	59	18	82						IRF3710ZS	
	61	13.9	58						IRFS4510	
	63	12.4	48			IRFH5110	5 x 6 B			
	63	13.9	54					IRFR4510		
	73	14	90						IRFS4610	
	80	8.0	23			IRFH7191	5 x 6			
	93	6.6	28			IRFH7188	5 x 6			
	97	9	83						IRFS4410Z	
	100	9	65			IRFH5010	5 x 6 B			
	123	5.2	36			IRFH7185	5 x 6 B			
	124	3.5	200	IRF7769L2	L8					
	127	6	120						IRFS4310Z	
	180	4.7	143						IRFS4010	
	190	4	150							IRFS4010-7P
150	27	58	20			IRFH5215	5 x 6 B			
	28	56	25	IRF6775M	MZ					
	33	42	26					IRFR4615		
	33	42	26						IRFS4615	
	33	42	26						IRFS5615	
	6.2*	34.5	39	IRF6643	MZ					
	56	31	33			IRFH5015	5 x 6 B			
	67	11	97	IRF7779L2	L8					
	83	15	71						IRFS4321	
	99	12.1	77						IRFS4115	
	105	11.8	73							IRFS4115-7P
200	4.6*	59.9	34	IRF6641	MZ					
	18	105	18						IRFS4020	
	19	100	26	IRF6785M	MZ					
	20	99.9	20			IRFH5220	5 x 6 B			
	24	78	25					IRFR4620		
	24	78	25						IRFS4620	
	24	77.5	25						IRFS5620	
	43	55	36			IRFH5020	5 x 6 B			
	62	26	70						IRFS4227	
	72	22	100						IRFS4127	
250	32	100	37			IRFH5025	5 x 6 B			
	35	38	110	IRF7799L2	L8					
	45	48	72						IRFS4229	
500	3.6	2200	13.3					IRFR812		
	6	1300	22.7					IRFR825		

* I_D measured at T_C=25°C

Thru-Hole Power MOSFETs




Voltage (V)	I_D (A) T_C=25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	I-Pak	TO-220	TO-247	D²Pak
20	36	16	4.8		IRL3714Z		
	37	15	4.7	IRLU3714Z			
	49	11	7.2	IRLU3715Z			
	50	11	7		IRL3715Z		
	60	8.4	9.3	IRFU3704Z			
	67	7.9	8.7		IRF3704Z		
	92	6	16		IRF3711Z		
	93	5.7	18	IRFU3711Z			
	120	4.2	21	IRLU3717			
24	353	1.5	160		IRF1324		
25	57	8.7	6.8	IRLU8259			
	81	5.7	10	IRLU8256			
30	43	13.8	7	IRLU7807Z			
	58	8.9	10	IRLU8729			
	62	8.7	7.6		IRLB8721		
	65	8.4	8.5	IRLU8721			
	86	5.8	15	IRLU8726			
	87	6.3	17		IRF3709Z		
	92	4.8	15		IRLB8748		
	94	6	22	IRLU8113			
	105	6	23		IRL8113		
	150	3.2	36		IRLB8743		
	160	3.1	39	IRLU8743			
	260	2.4	160		IRF2903Z		
	260	1.95	57		IRLB3813		
40	75	5.5	68		IRF4104		
	77	9	30	IRFU3504Z			
	118	3.3			IRFB7446		
	119	5.5	59	IRFU4104			
	120	2.5			IRFB7440		
	120	2.8					IRFS7440
	120	5.5	68		IRF4104		
	123	3.3	62		IRFB7446		
	180	2.4	89	IRFU7440			
	190	3.7	100		IRF1404Z		
	195	1.3			IRFB7430	IRFP7430	
	195	1.6			IRFB7434		
	195	2.0			IRFB7437		
	208	2.5	90		IRFB7440		
	250	2	150		IRFB7437		
	317	1.6	216		IRFB7434		
	340	1.75	160		IRFB3004		
	350	1.7	220			IRFP4004	
	404	1.3	300			IRFP7430	
	409	1.3	300		IRFB7430		
55	30	24.5	18	IRFU4105Z			
	51	13.9	29		IRFZ44Z		
	61	11	43		IRFZ48Z		
	62	11	40	IRFU48Z			
	91	7.5	63	IRFU1010Z			
	94	7.5	63		IRF1010Z		
	110	6.5	76		IRF3205Z		
60	75	7.3	58		IRFB7546		
	95	5.9	75		IRFB7545		
	110	5.1	88		IRFB7540		
	160	4.2	85		IRFB3306		
	195	2.0			IRFB7530	IRFP7530	
	195	2.4			IRFB7534		
	195	3.3			IRFB7537	IRFP7537	
	206	3.4	130		IRFB3256		
	210	3	120		IRFB3206		
	270	2.5	200		IRFB3006		
75	45	22	34	IRFU2607Z			
	53	16	50	IRFU2307Z			
	80	9	56		IRFB3607		
	84	5.8	79		IRFB3307ZG		
	120	5.8	79		IRFB3307Z		
	170	4.5	180			IRFP2907Z	
	170	4.1	120		IRFB3207Z		
	210	3.3	160		IRFB3077		
	350	1.8	380			IRFP4368	
100	8.7	190	6.9	IRFU120Z			
	18	72.5	15		IRFB4212		
	36	26.5	42		IRF540Z		
	42	36	73.3			IRFP150M	
	43	9.3	81		IRFI4410Z		
	56	18	69	IRFU3710Z			

Thru-Hole Power MOSFETs, continued



Voltage (V)	I_D (A) T_C = 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	I-Pak	TO-220	TO-247
100	59	18	82		IRF3710Z	
	62	13.5	58		IRFB4510	
	63	13.9	54	IRFU4510		
	73	14	90		IRFB4610	
	97	9	83		IRFB4410Z	
	127	6	120		IRFB4310Z	
	130	7	170		IRFB4310	
	180	4.5	150		IRFB4110	
	290	2.6	360			IRFP4468
150	17	95	13		IRFB4019	
	33	42	26	IRFU4615		
	35	39	26		IRFB5615	
	78	15.5	71			IRFP4321
	83	15	71		IRFB4321	
	104	11	77		IRFB4115	
	171	5.9	151			IRFP4568
200	18	100	18		IRFB4020	
	24	78	25	IRFU4620		
	25	72.5	25		IRFB5620	
	30	75	82			IRFP250M
	50	40	156			IRFP260M
	65	25	70			IRFP4227
	65	26	70		IRFB4227	
	76	20	100		IRFB4127	
	130	9.7	161			IRFP4668
250	44	46	72			IRFP4229
	46	46	72		IRFB4229	
	57	33	99			IRFP4332
	60	33	99		IRFB4332	
	93	17.5	180			IRFP4768
300	38	69	83			IRFP4137
	38	69	83		IRFB4137	
	70	32	180			IRFP4868
500	3.6	2200	13.3		IRFB812	

Logic Level MOSFETs






Voltage (V)	I_D (A) T_C = 25°C	$R_{DS(on)}$ max @ $10V_{GS}$ (mΩ)	Qg Typ @ $10V_{GS}$ (nC)	PQFN		D-Pak	D²Pak	D²Pak-7-Lead	I-Pak	TO-220	TO-247
				Part Number	Footprint						
20	40	2.5††	52	IRLHM620	3.3 x 3.3						
	100	4††	48			IRLR6225					
	100	1.2††	155	IRFH6200	5 x 6 B						
	105	3††	86	IRLH6224	5 x 6 E						
30	40	3.5††	41	IRLHM630	3.3 x 3.3						
40	100	2.4	82	IRLH5034	5 x 6 B						
	130	4.5	40			IRLR3114Z					
	130	4.9	40						IRLU3114Z		
	134	3.3	39	IRLH7134	5 x 6 E						
	200	3.1	75				IRL1404ZS				
	200	3.1	75							IRL1404Z	
	327	1.7	108								IRLP3034
	343	1.7	108				IRLS3034				
	343	1.7	108							IRLB3034	
	380	1.4	120					IRLS3034-7P			
55	16	58	6.6			IRLR024Z					
	16	58	6.6						IRLU024Z		
	60	13.5	23			IRLR2905Z					
	60	13.5	23						IRLU2905Z		
	89	8	44			IRLR3705Z					
	89	8	44						IRLU3705Z		
60	99	6.8	33			IRLR3636					
	99	6.8	33						IRLU3636		
	100	4.4	44	IRLH5036	5 x 6 B						
	270	2.4	91				IRLS3036				
	270	2.4	91							IRLB3036G	
	270	2.4	91							IRLB3036	
	300	1.9	110					IRLS3036-7P			
100	13*	9	44	IRLH5030	5 x 6 B						
	63	14	34			IRLR3110Z					
	63	14	34						IRLU3110Z		
	180	4.3	87				IRLS4030				
	180	4.3	87							IRLB4030	
	190	3.9	93					IRLS4030-7P			

* I_D measured at T_C=25°C †† $R_{DS(on)}$ measured at V_{GS} = 4.5V

International Rectifier

Product Line Overview

Product Line	Applications	Key Products
 **Energy Saving Products** Integrated design platforms that enable customers to add energy-conserving features that achieve lower operating energy costs and manufacturing Bill of Material (BOM) costs.	• Appliances • Audio • Display • Industrial • Lighting • SMPS	• Digital Control ICs • High-Voltage ICs • IGBTs • IRAM Integrated Power Modules • MERs • *µIPM*™
 **Enterprise Power** Optimized power management system solutions that deliver benchmark power density, efficiency and performance in enterprise power.	• Servers • Storage Networks • Switchers & Routers • Workstations • Notebooks • Game Stations • Set-Top Box	• DirectFET®*plus* • Sup*IR*Buck® • PowIRstage® • CHiL Digital Controllers
 **Automotive** Automotive grade power management solutions qualified to meet the needs of 12V, 24V and HEV/EV applications with a zero defect goal.	• AC and DC Motor Drives • Powertrain / Engine control • Body Electronics • Lighting • Class D Audio • Heavy Loads and Actuators	Automotive Qualified: • HEXFET® Power MOSFETs • Intelligent Power Switches • Driver ICs • IGBTs • DirectFET®**2** • COOLiR™
 **Benchmark MOSFETs** IR continues to lead the industry by offering power MOSFETs with the lowest $R_{DS(on)}$ and widest range of packages up to 250V for a diverse range of applications.	• Audio • Computing • Communications • Motor Control • Power Supply • Synchronous Rectification	• Discrete HEXFET® MOSFETs • Dual HEXFET® MOSFETs • FETKY® • DirectFET® • StrongIRFET™ • *FastIRFET™*
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